

# 41



# SATURN V PROGRAM DIRECTIVE

NUMBER: 41

SUBJECT: SATURN V PAYLOAD CAPABILITY COMMITMENT

ORIGINAL ISSUE DATE: May 8, 1967

REVISION NUMBER: \_\_\_\_\_

DATE OF REVISION: \_\_\_\_\_

PREPARED BY: SATURN V SYSTEMS ENGINEERING OFFICE  
(I-V-E) PHONE: 876-7428/STAPP

## I. PURPOSE

The purpose of this directive is to establish policy concerning, and record the increase to, the Saturn V Payload Capability Commitment.

## II. SCOPE

This Program Directive is applicable to all MSFC elements involved in the Saturn V Program.

## III. REFERENCES

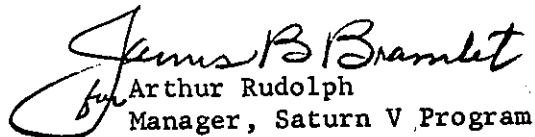
- A. TWX from Saturn V Program Manager to Director, Apollo Program, "98,000 pounds Payload Commitment," dated February 16, 1967.
- B. Memorandum from Saturn V Program Manager to Director R&DO, "Clarification of Saturn V Payload Weight to be used for Mission Documentation," dated July 13, 1966.
- C. Memorandum from Saturn V Program Manager to Director R&DO, "Review of Lunar Landing Weight and Performance," dated June 8, 1966.
- D. Saturn V Policy Directive Number 1, "Saturn V Performance," dated June 25, 1964.
- E. Saturn V Program Directive Number 12, "Engineering Changes," dated May 6, 1965, Revision Date: July 11, 1966.

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(I-V-E) PHONE: 876-7428/STAPPIV. POLICY

- A. Effective AS-504 and subsequent, the Saturn V Launch Vehicle Payload Commitment is changed from 95,000 pounds to 98,000 pounds for the nominal Apollo Lunar Landing Mission.
- B. Hardware design changes to improve payload capability are not authorized.
- C. Emphasis shall be placed on improvement through more efficient utilization of reserves and residuals and the reduction of hardware performance dispersions based on more complete knowledge from flight performance data -- any such improved capability shall be brought to the immediate attention of the Saturn V Systems Engineering Office to assure overall consideration in mission and program objectives.

V. RESPONSIBILITY

It is the responsibility of all segments of MSFC to pay particular attention to this commitment and assure that this capability will be available for Vehicle AS-504.

  
for Arthur Rudolph  
Manager, Saturn V Program

Distribution:  
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(I-V-E) PHONE: 876-7428/Stapp**Distribution:**

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